BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:- CONSTRUCTION OF WARD OFFICE ADDITIONAL WORK, FURNITURE ETC IN WARD NO.05, BYATARAYANAPURA

Agency	**Sri. S K Keshavamurthy, #104, Sampigehalli, Jakkur Post, Bangalore-560064**
Approved Amount	**17475749**
Tender premium:-	**+4.98% (Above)**

RATE ANALYSIS - 2

Sl No	Description.	Unit	Page	Item	Basic rate	Lift charges	Total	AW	Total Rate	Add T.P (+)4.98%	Final Rate.
18	Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners. wherever required smooth rendering, Providing and removing scaffolding. including cost of materials, labour, curing complete as per specifications and directions of Engineer in charge of work.	Cum	Pg No.116 of KPWD S.R 2018-19	15.16	261.00	0	261.00	20.88	281.88	14.04	295.92
51	Fabricating, providing and erecting in position Hot dip galvanized Gate. Using 72x72x4.8 mm Sq. G I Pipe Frame with top pipe bending in heavy duty hydraulic press with sand packing and hot bending to form double arch as per drawing profile. 20mm hot dip galvanized sq.rod for verticals at 150mm c/c , as shown in the drawing including providing hot do galvanized forged ornamental design in between rods and heads at top, middle and bottom. Intermediate supports of 75x12mm and 50x6mm arch bent to hot dip galvanized flats.The work is inclusive of throughing GI, Flat GI Sqm. rods, placing, welding all the joints including grinding, finishing metal patty, painting two coats enamel painting. The rate is inclusive of all materials Like GI Sq. GI Pipe, GI Forged designs etc., heavy duty hinges are made out of 75mm sold sq. block assembled with 20mm du bearing in three places for each flop. Heavy duty locking arrangement of low places including cost of labour, painting, erection charges using hoist pulley cranes, with all lead and lift, loading, trasportation, unloading, scaffolding charges and all other complete as per specifications and directions of Engineer incharge of	Sqm	Data Rate		12475.03	0	12475.03	-	12475.03	621.26	13096.29

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Sl No	Description.	Unit	Page	Item	Basic rate	Lift charges	Total	AW	Total Rate	Add T.P (+)4.98%	Final Rate.
E3	Fabricating, providing and erecting in position of MS. Hot dip galvanized Sq Hallow Poles of 132*132 Heavy gauge of length 3000mm with MS. Hot dip galvanized grill work as per approved design and drawing of chief architect. Using 12*65mm galvanized flat for alround frame and 20mm*20mm galvanized forged design with square for vertical at 150mm C/C as shown in the drawing including providing forged omamenttal arrowhead at top and bottom. The work is inclusive of throughing flat, square rods, placiing welding all the joints, including grinding, finishing 2 coats of anti corrosive paint over one coat of metal primer. The rate is inclusive of all materials like MS Hallow galvanized pipe, flat, forged square rods, coat of labour for all items of work cost painting, welding, Cutting, grinding with all lead and lift as per specification including loading with cost and conveyance of all materials, labour machinery and incidental charges for the successful complete of the work as per the direction Engineer-in-charge of the work.	Sqm	Data Rate		15630.00	0	15630.00	-	15630.00	778.37	16408.37
E4	Providing and fixing in position collapsible steel shutters with vertical channels 20x10x2 mm and braced with flat iron diagonals 20x5 mm size, with top and bottom rail of T-iron 40x40x6 mm, with 40 mm dia steel pulleys, complete with bolts, nuts, locking arrangement, stoppers, handles, including applying a priming coat of approved steel primer including cost of materials ,labour, usage charges of machinery complete as per specifications and as per directions of the Engineer-in-Charge.	Sqm	Pg No.75 of KPWD S.R 2021-22	11.3	6563.00	0	6563.00	656.3	7219.30	359.52	7578.82
E5	Earth work excavation for Foundation by mechanical means for all works & depth upto 3 m, as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage of machinery & other appurtenaces required to complete the work In all kinds of soils Depth upto 3 m as per the direction of Engineer-In-Charge	Cum	Pg No.8 of KPWD S.R 2021-22	1.14.1	73.00	0	73.00	7.3	80.30	4.00	84.30

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Sl No	Description.	Unit	Page	Item	Basic rate	Lift charges	Total	AW 10%	Total Rate	Add T.P (+)4.98%	Final Rate.
E6	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately) Mix 1:3:6 (M10) Using 20 mm nominal size graded crushed coarse aggregates	Cum	Pg No.15 of KPWD S.R 2021-22	2.1.4	5728.00	0	5728.00	572.8	6300.80	313.78	6614.58
E7	Providing and laying in position Reinforced cement concrete for all Sub tructures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite /trap /basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) Mix 1:2:4 (M15) Using 20 mm nominal size graded crushed coarse aggregates	Cum	Pg No.17 of KPWD S.R 2021-22	2.4.1	5880.00	0	5880.00	588	6468.00	322.11	6790.11
E8	Providing Size Stone masonry with hard stone in foundation & plinth with Cement mortar 1:6 (1 cement : 6 coarse sand)	Cum	Pg No.9 of KPWD S.R 2021-22	5.4	5352.00	0	5352.00	535.2	5887.20	293.18	6180.38
E9	Loading and Unloading of Stone Boulder/Stone aggregates/ Sand/Kankar/Moorum. (Tipper 5.5 m3)	Cum	Pg No.3 of KPWD S.R 2021-22	1.1A	118.00	0	118.00	11.8	129.80	6.46	136.26
E10	Cost of Haulage Excluding Loading and Unloading Taking output 10 t load and lead 10 km = 100 t.km	t.km	Pg No.3 of KPWD S.R 2021-22	1.4A	96.00	0	96.00	9.6	105.60	5.26	110.86

Asst Engineer

AEE

Executive Engineer

Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore-92

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BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:- CONSTRUCTION OF WARD OFFICE ADDITIONAL WORK, FURNITURE ETC IN WARD NO.05, BYATARAYANAPURA

WORKSLIP - 2

d Amount: 8747273.00

f Contractor:-: Sri. S K Keshavamurthy, #104, Sampigehalli, Jakkur Post, Bangalore-560064

er premium:-: +4.98% (Above)

o.	Description of Work	Unit	Qty as per Quoted Rate			Total Executed Quantity	Qty. upto 125%			Qty. above 125%			Total Amount	Excess amount	Amount Paid in 1st RA Bill	Excess amount Now to be Paid	Savings	Rem arks
			Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amt						
14	Providing and constructing load bearing wall with solid concrete blocks of size 400X200X200mm having block density not less than 1800kg/m3 having a minimum average compressive strength 5.00N/mm2 confirming to IS 2185 (part 1) :2005 and constructed with cement mortar 1:4,as per IS 2572:2005 including cost of materials, labour charges, scaffolding, curing, hire charges of machinaries etc.,complete as per specifications and directions of Engineer in charge of work.	Sqm	244.20	1113.38	271887.40	262.24	262.24	1113.38	291971.66	0.00	0.00	0.00	291971.66	20084.26	0.00	20084.26	0.00	
18	Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners. wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and directions of Engineer in charge of work.	Sqm	278.31	323.13	89930.31	393.84	347.89	323.13	112412.89	45.95	295.92	13598.66	126011.55	36081.24	6219.61	29861.63	0.00	
23	Providing 12mm thick cement plaster in single coat with cement mortar 1:4 , to ceiling including rounding off corners wherever required smooth rendering, : including Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and directions of Engineer incharge of work.	Sqm	384.10	268.71	103211.51	392.76	392.76	268.71	105539.80	0.00	0.00	0.00	105539.80	2328.29	640.60	1687.69	0.00	

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	Description of Work	Unit	Qty as per Quoted Rate			Total Executed Quantity	Qty. upto 125%			Qty. above 125%			Total Amount	Excess amount	Amount Paid in 1st RA Bill	Excess amount Now to be Paid	Savings	Rem arks
			Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amt						
27	Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming coat with distemper primer after throughly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications page no117 item no 15.49.1 . KSRB 15-14.1 : Extra over Item 15-14.1 for applying oil bound washable distemper on ceiling and / or sloping roofcomplete as per specifications and directions of Engineer incharge of work.	Sqm	415.92	133.79	55645.94	422.99	422.99	133.79	56592.46	0.00	0.00	0.00	56592.46	946.52	106.23	840.29	0.00	
28	Providing external walls with texture finish using approved brand paint, applied uniformly in three coats over one coat of primer including cost of all materials, machineries, labour, transportation, loading and unloading, all lead and lift and all other incidental charges including scaffolding and removing stains,complete as per specifications and directions of Engineer incharge of work.	Sqm	298.83	403.63	120616.75	326.86	326.86	403.63	131931.91	0.00	0.00	0.00	131931.91	11315.16	213.12	11102.04	0.00	
30	Providing and laying M-15 cement concrete flooring, 50 mm thick with metallic concrete hardner topping , under layer of 35mm thick m-15 cement concrete using broken granite metal of 20mm and down size, and top layer 50mm thick of metallic cement hardner consisting of mix 1:2 (1 cement hardner mix : 2 granite metal 10mm nominal size) by volume, with which metallic hardening compound of approved quality mix in the ratio of 4:1 (4 part of cement and 1 part of metallic floor hardening compound of approved quality by wt) , including finishing cost of materials, labour,	Sqm	363.60	719.95	261773.82	376.42	376.42	719.95	271006.24	0.00	0.00	0.00	271006.24	9232.42	4710.63	4521.79	0.00	

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	Description of Work	Unit	Qty as per Quoted Rate			Total Executed Quantity	Qty. upto 125%			Qty. above 125%			Total Amount	Excess amount	Amount Paid in 1st RA Bill	Excess amount Now to be Paid	Savings	Remarks
			Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amt						
51	Fabricating, providing and erecting in position Hot dip galvanized Gate. Using 72x72x4.8 mm Sq. G I Pipe Frame with top pipe bending in heavy duty hydraulic press with sand packing and hot bending to form double arch as per drawing profile, 20mm hot dip galvanized sq.rod for verticals at 150mm c/c , as shown in the drawing including providing hot do galvanized forged ornamental design in between rods and heads at top, middle and bottom. Intermediate supports of 75x12mm and 50x6mm arch bent to hot dip galvanized flats.The work is inclusive of throughing GI, Flat GI Sqm.	Sqm	8.16	13096.29	106865.73	12.07	10.20	13096.29	133582.16	1.87	13096.29	24522.80	158104.95	51239.23	0.00	51239.23	0.00	
	Grand total				**1009931.45**				**1103037.12**			**38121.45**	**1141158.58**	**131227.13**		**119336.94**	**0.00**	

Note: Percentage of Workslip over the sanctioned Estimate=Excess amount over the approved amount/Amount Put to tender x 100

(119336.94/8747273)x100 = 1.36%

Percentage of Workslip **1.36%**

Contractor

Assistant Engineer

Assistant Executive Engineer

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

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ಬೃಪತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore-92

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BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:- CONSTRUCTION OF WARD OFFICE ADDITIONAL WORK, FURNITURE ETC IN WARD NO.05, BYATARAYANAPURA

Agency	Sri. S K Keshavamurthy, #104, Sampigehalli, Jakkur Post, Bangalore-560064
	EIRL - 2
Approved Amount	8747273.00
Name of Contractor:-	Sri. S K Keshavamurthy, #104, Sampigehalli, Jakkur Post, Bangalore-560064
Tender premium:-	+4.98% (Above)

Sl No	Item Of Work	Unit	Estimate qty	Rate from EIRL Rate analysis	Amount (Rs.)	Whether the item alternative in tender or additional items	Whether the extra item is included in sanctioned estimate	How the Cost is proposed to be met	Whether extra item is included in S.R.	Remarks
1	2	3	4	5	6	7	8	9	10	11
3	Fabricating, providing and erecting in position of MS. Hot dip galvanized Sq Hallow Poles of 132*132 Heavy gauge of length 3000mm with MS. Hot dip galvanized grill work as per approved design and drawing of chief architect. Using 12*65mm galvanized flat for alround frame and 20mm*20mm galvanized forged design with square for vertical at 150mm C/C as shown in the drawing including providing forged omamenttal arrowhead at top and bottom. The work is inclusive of throughing flat, square rods, placiing welding all the joints, including grinding, finishing 2 coats of anti corrosive paint over one coat of metal primer. The rate is inclusive of all materials like MS Hallow galvanized pipe, flat, forged square rods, coat of labour for all items of work cost painting, welding, Cutting, grinding with all lead and lift as per specification including loading with cost and conveyance of all materials, labour machinery and incidental charges for the successful complete of the work as per the direction Engineer-in-charge of the work.	Sqm	45.21	16408.37	741794.69	Additonal Item	No	-	Data Rate	
4	Providing and fixing in position collapsible steel shutters with vertical channels 20x10x2 mm and braced with flat iron diagonals 20x5 mm size, with top and bottom rail of T-iron 40x40x6 mm, with 40 mm dia steel pulleys, complete with bolts, nuts, locking arrangement, stoppers, handles, including applying a priming coat of approved steel primer including cost of materials ,labour, usage charges of machinery complete as per specifications and as per directions of the Engineer-in-Charge.	Sqm	6.09	7578.82	46155.02	Additonal Item	No	-	Yes	

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Sl No	Item Of Work	Unit	Estimate qty	Rate from EIRL Rate analysis	Amount (Rs.)	Whether the item alternative in tender or additional items	Whether the extra item is included in sanctioned estimate	How the Cost is proposed to be met	Whether extra item is included in S.R.	Remarks
1	2	3	4	5	6	7	8	9	10	11
5	Earth work excavation for Foundation by mechanical means for all works & depth upto 3 m, as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage of machinery & other appurtenaces required to complete the work In all kinds of soils Depth upto 3 m as per the direction of Engineer-In-Charge	Cum	11.45	84.30	965.24	Additonal Item	No	-	Yes	
6	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately) Mix 1:3:6 (M10) Using 20 mm nominal size graded crushed coarse aggregates	Cum	2.29	6614.58	15147.72	Additonal Item	No	-	Yes	
7	Providing and laying in position Reinforced cement concrete for all Sub tructures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite /trap /basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) Mix 1:2:4 (M15) Using 20 mm nominal size graded crushed coarse aggregates	Cum	2.97	6790.11	20169.67	Additonal Item	No	-	Yes	

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l No	Item Of Work	Unit	Estimate qty	Rate from EIRL Rate analysis	Amount (Rs.)	Whether the item alternative in tender or additional items	Whether the extra item is included in sanctioned estimate	How the Cost is proposed to be met	Whether extra item is included in S.R.	Remarks
1	2	3	4	5	6	7	8	9	10	11
8	Providing Size Stone masonry with hard stone in foundation & plinth with Cement mortar 1:6 (1 cement : 6 coarse sand)	Cum	15.68	6180.38	96900.80	Additonal Item	No	-	Yes	
9	Loading and Unloading of Stone Boulder/Stone aggregates/ Sand/ Kankar /Moorum. (Tipper 5.5 m3)	Cum	11.45	136.26	1560.26	Additonal Item	No	-	Yes	
10	Cost of Haulage Excluding Loading and Unloading Taking output 10 t load and lead 10 km = 100 t.km	t.km	14.66	110.86	1624.78	Additonal Item	No	-	Yes	
	TOTAL EIRL AMOUNT				**924318.19**					

924318.19

PERCENTAGE OF EXCESS COMPARING TO SANCTIONED COST $\frac{924318.19}{8747273.00} \times 100 = 10.57\ \%$

Asst Engineer

Asst.Executive Engineer

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

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ಯಲಹಂಕ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

Executive Engineer

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BBMP, Bangalore-92

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